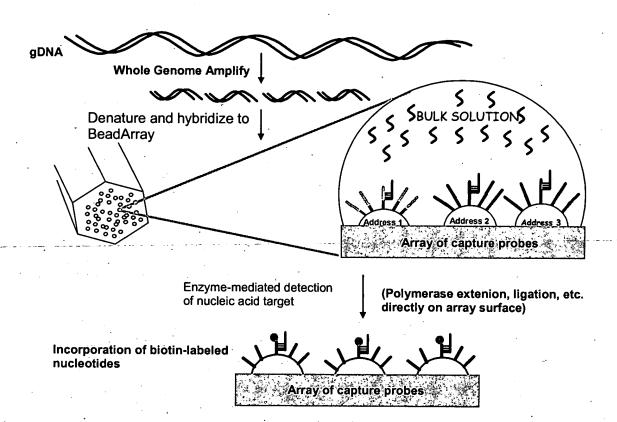
Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 1 of 9

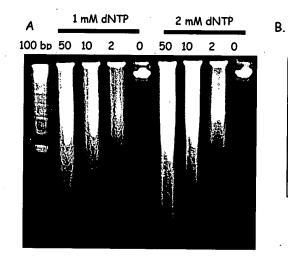
Figure 1



Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 2 of 9

Figure 2 Four arrays – one bead type **SPLIT** SBE (ddGTP-BIOTIN) (ddCTP-BIOTIN) **WGA** target (ddUTP-BIOTIN) Incorporated nucleotides B. One array two bead types **ASPE** dUTP-BIOTIN dATPdGTP WGA target dCTP

Figure 3



Condition	dNTPs (mM)	Primer (uM)	Yield (ug)	Amplification
1	1	50	49.5	4950
2	1	10	28.5	2850
3	1	2	12.0	1200
4	1	_ 0	6.0	600
5	2	50	79.5	7950
6	2	10	42.0	4200
. 7	2	2	21.0	2100
8	2	0	6.0	600

ASPE reaction

Inventors: Gunderson et al.
Our Docket No. 01-00006
Customer No. 29389
Sheet 3 of 9

Figure 4

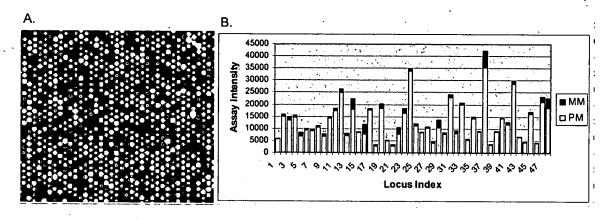


Figure 5

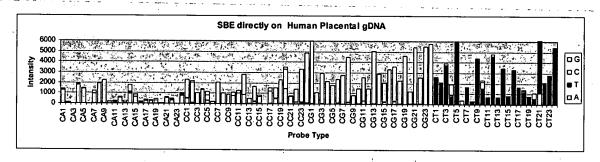
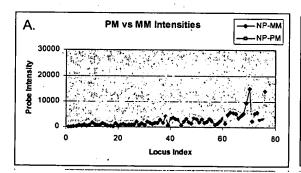
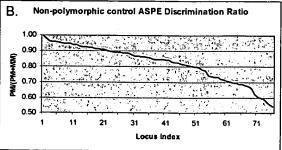


Figure 6





Inventors: Gunderson et al.
Our Docket No. 01-00006
Customer No. 29389
Sheet 4 of 9

Figure 7

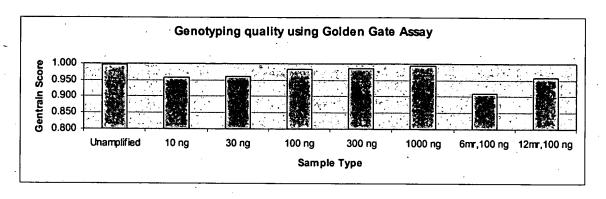
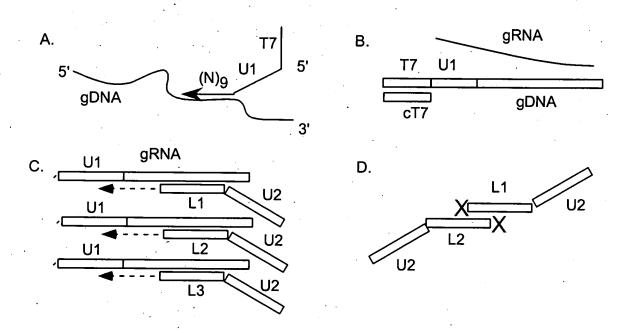


Figure 8



Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 5 of 9

Figure 9

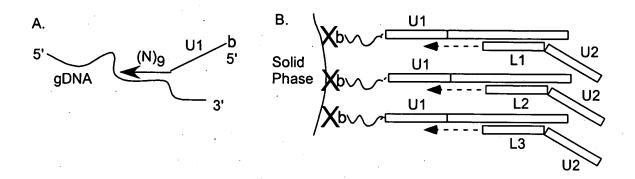
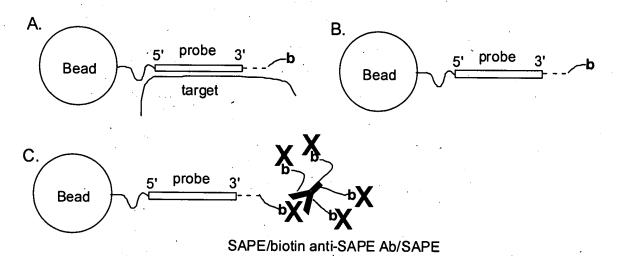
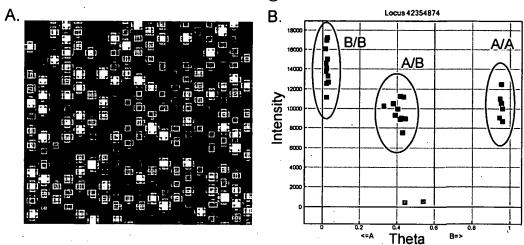


Figure 10



Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 6 of 9

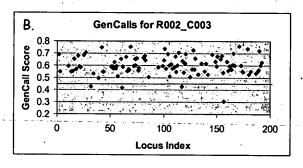
Figure 11

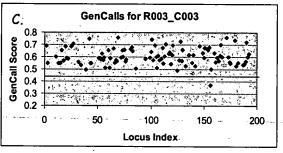


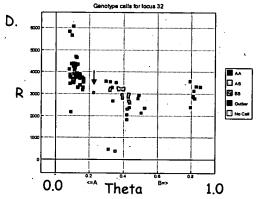
Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 7 of 9

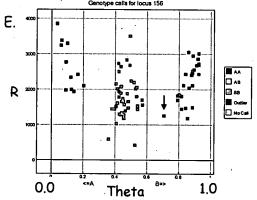
Figure 12

<u>A</u> .					
Genotypin	ıg				
Accuracy:					
Call Rate	Accuracy	Calls	Correct Calls		
100%	99.95%	4092	4090		
99.70%	100%	4078	4078		

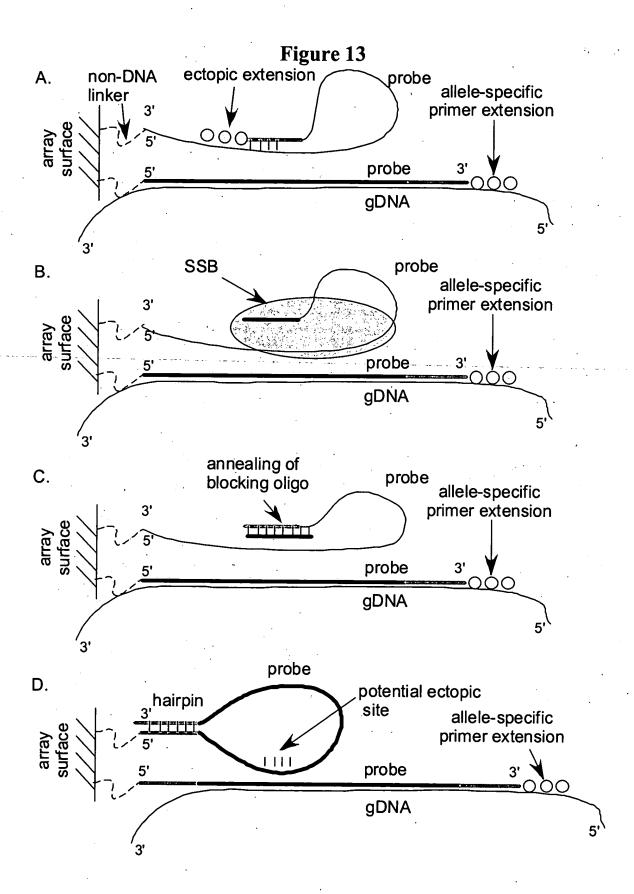








Inventors: Gunderson et al. Our Docket No. 01-00006 Customer No. 29389 Sheet 8 of 9



Inventors: Gunderson et al.
Our Docket No. 01-00006
Customer No. 29389
Sheet 9 of 9



